

Fig.1

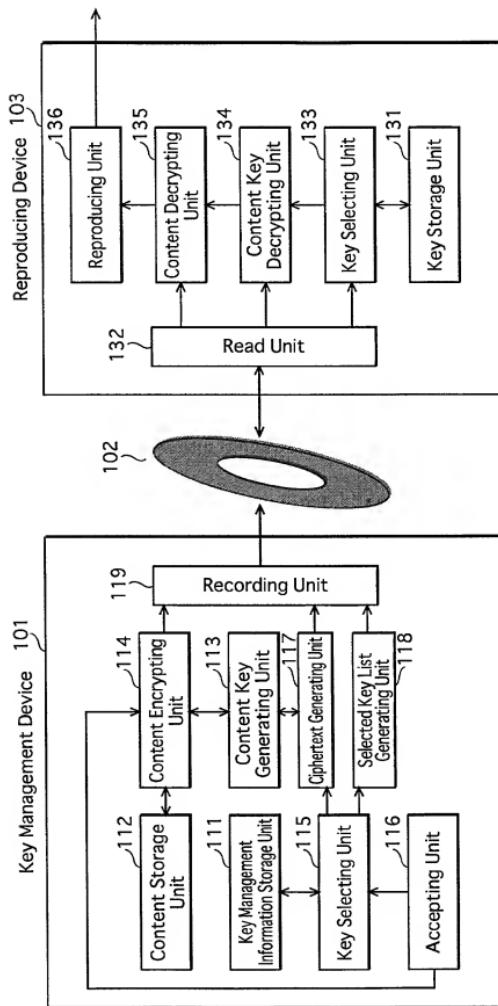


Fig.2

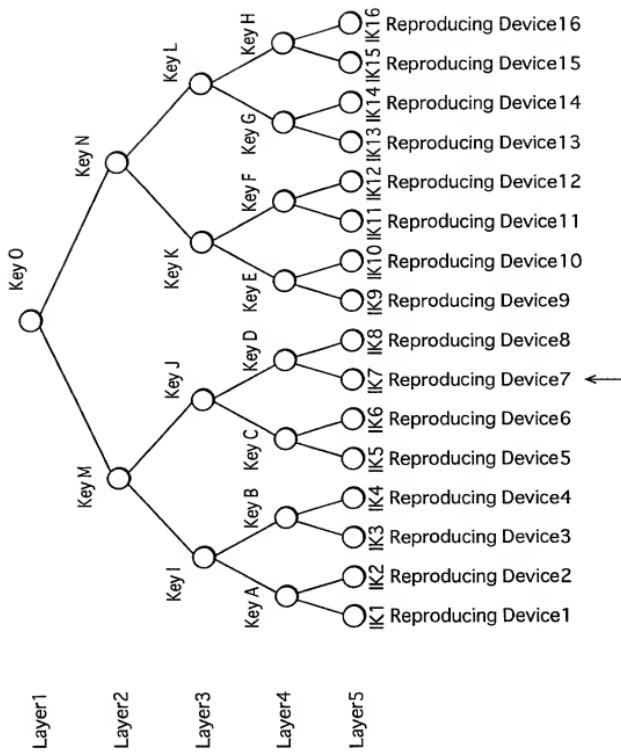


FIG.3

Key Management Information 301

Key ID	Key Data	Parent Key ID	Key State
Key O	11...11	1
Key M	Key O	0
Key N	Key O	0
Key I	Key M	0
Key J	Key M	0
Key K	Key N	0
⋮	⋮	⋮	⋮
Key A	Key I	0
Key B	Key I	0
Key C	Key J	0
Key D	Key J	0
⋮	⋮	⋮	⋮
IK 1	Key A	0
⋮	⋮	⋮	⋮
IK 7	Key D	0
IK 8	Key D	0
⋮	⋮	⋮	⋮
IK 16	Key H	0

10011012-121401

FIG.4

Key Management Information 401

Key ID	Key Data	Parent Key ID	Key State
Key O	11...11	-1
Key M	Key O	-1
Key N	Key O	1
Key I	Key M	1
Key J	Key M	-1
Key K	Key N	0
⋮	⋮	⋮	⋮
Key A	Key I	0
Key B	Key I	0
Key C	Key J	1
Key D	Key J	-1
⋮	⋮	⋮	⋮
IK 1	Key A	0
⋮	⋮	⋮	⋮
IK 7	Key D	-1
IK 8	Key D	1
⋮	⋮	⋮	⋮
IK 16	Key H	0

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FIG.5

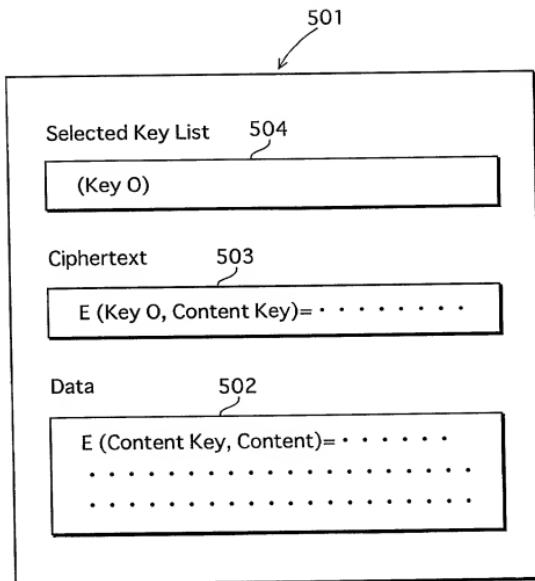
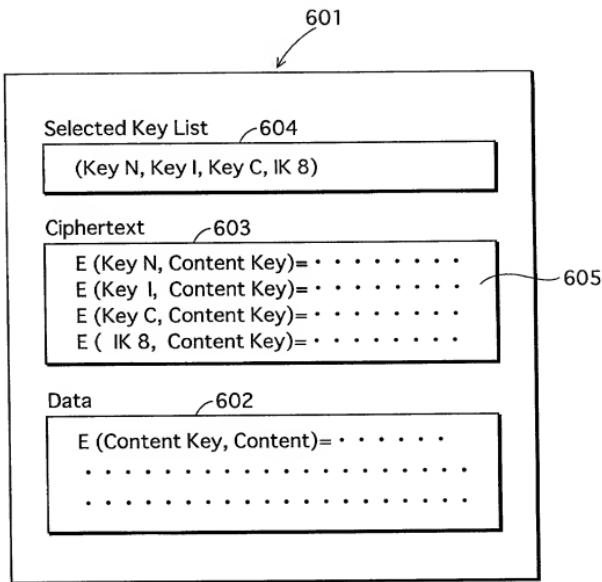


FIG. 6



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FIG.7

Key Information 701

Key ID	Key Data
IK 1
Key A
Key I
Key M
Key O

10014912-121401

FIG.8

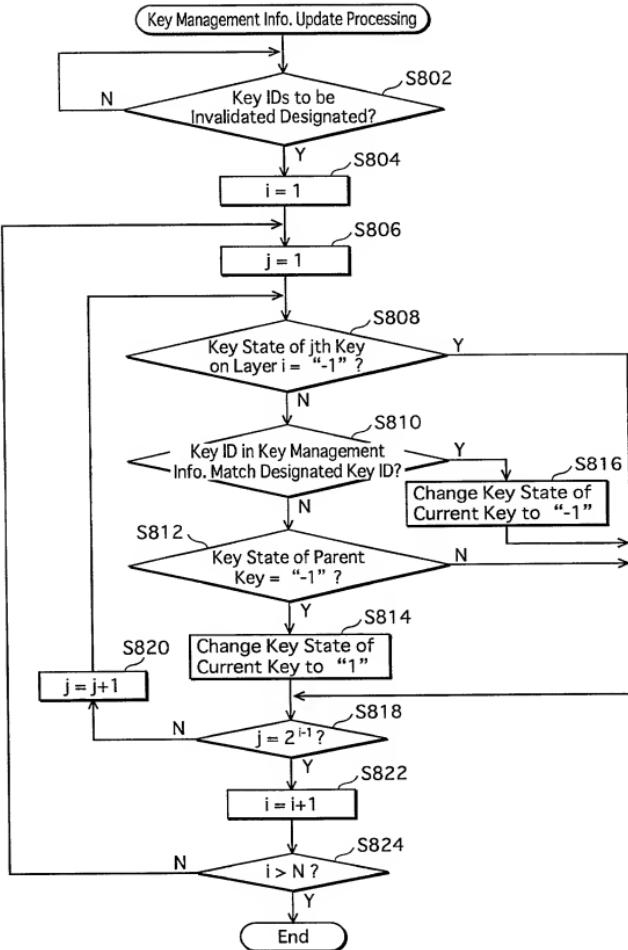


Fig.9

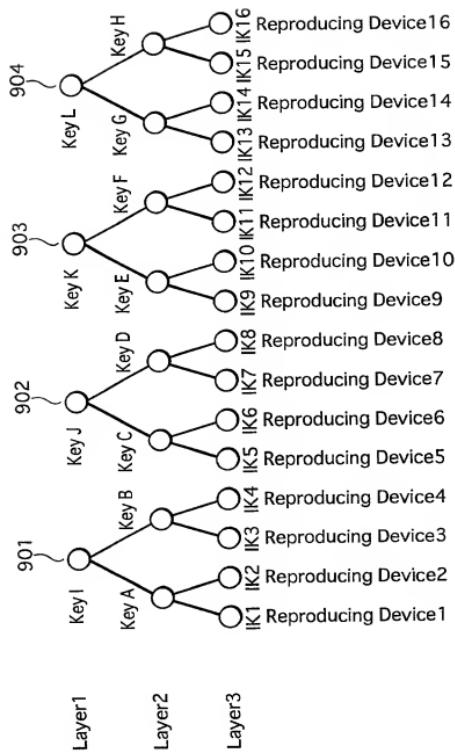


FIG.10

Key Management Information 1001

Key ID	Key Data	Parent Key ID	Key State
Key I	11....11	1
Key A	Key I	0
Key B	Key I	0
IK 1	Key A	0
IK 2	Key A	0
IK 3	Key B	0
IK 4	Key B	0
Key J	11....11	1
Key C	Key J	0
Key D	Key J	0
IK 5	Key C	0
IK 6	Key C	0
IK 7	Key D	0
IK 8	Key D	0
Key K	11....11	1
Key E	Key K	0
⋮	⋮	⋮	⋮
IK 12	Key F	0
Key L	11....11	1
⋮	⋮	⋮	⋮
IK 16	Key H	0

10014912.121101

FIG.11

Comparison Table 1101

1102 No. of Tree Structures	1103 No. of Keys	1104 No. of Reproducing Devices Misused	1105 No. of Selected Keys =No. of Ciphertexts	1106 No. of Keys Assigned to One Reproducing Device
1	31	0	1	5
		1	4	
		2	6	
2	30	0	2	4
		1	4	
		2	6	
4	28	0	4	3
		1	5	
		2	6	
8	24	0	8	2
		1	8	
		2	8	

10014912.121474

Fig.12

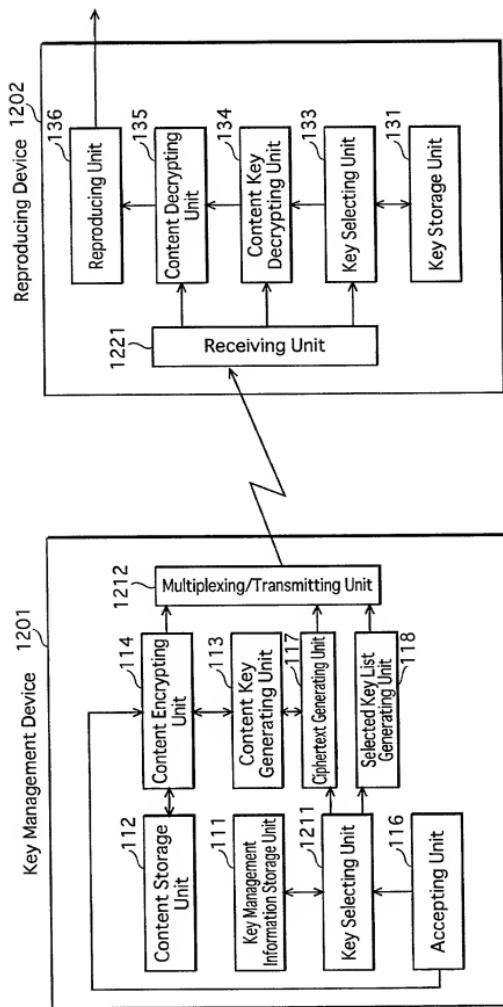
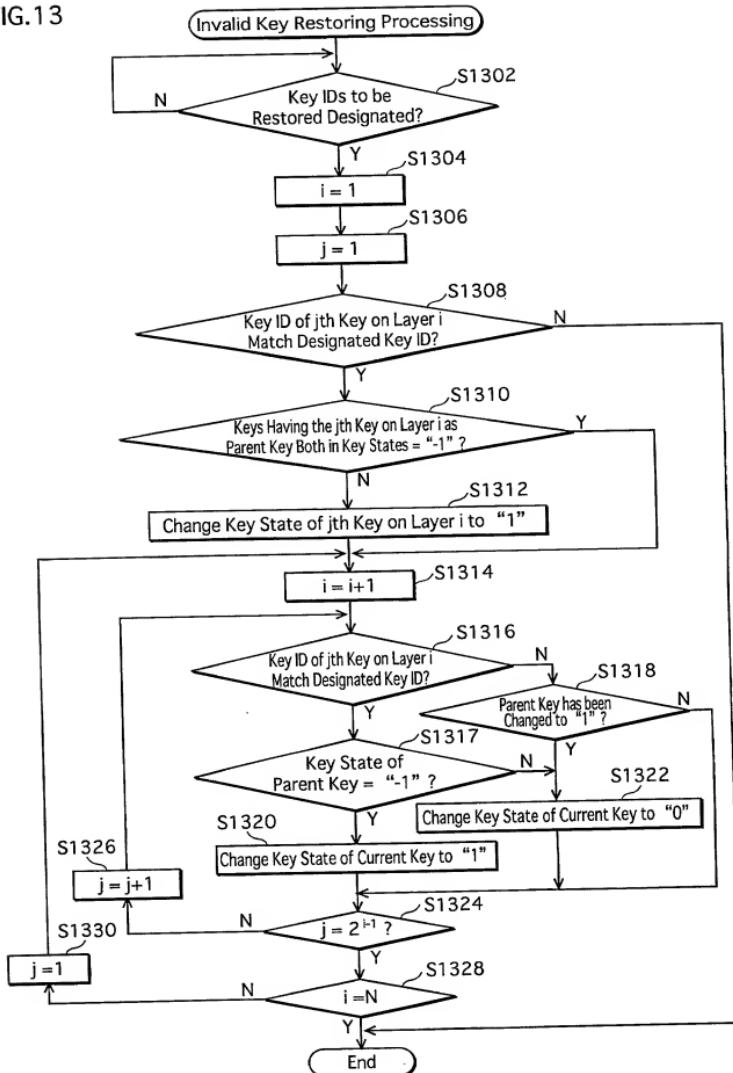


FIG.13



10011612.121401

Fig.14

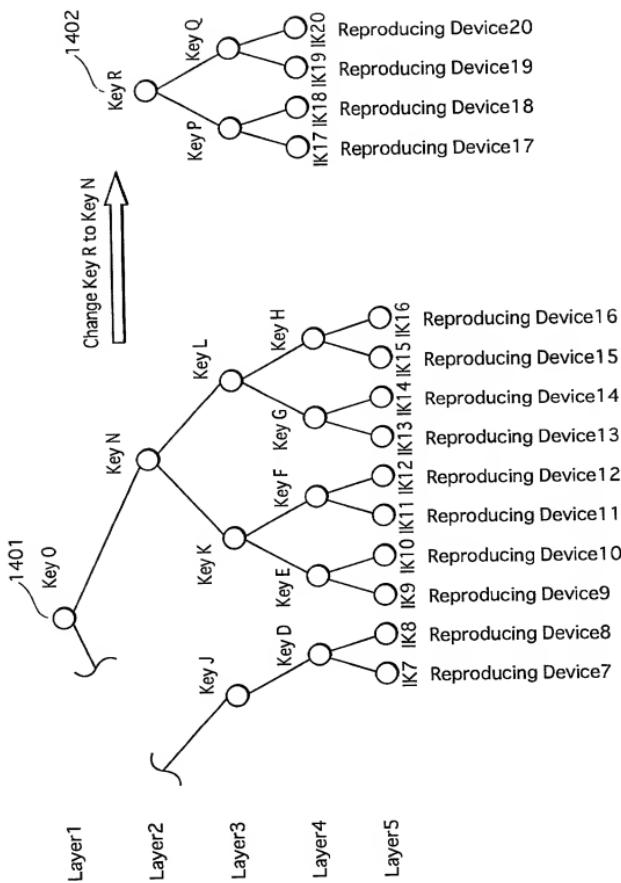


Fig.15

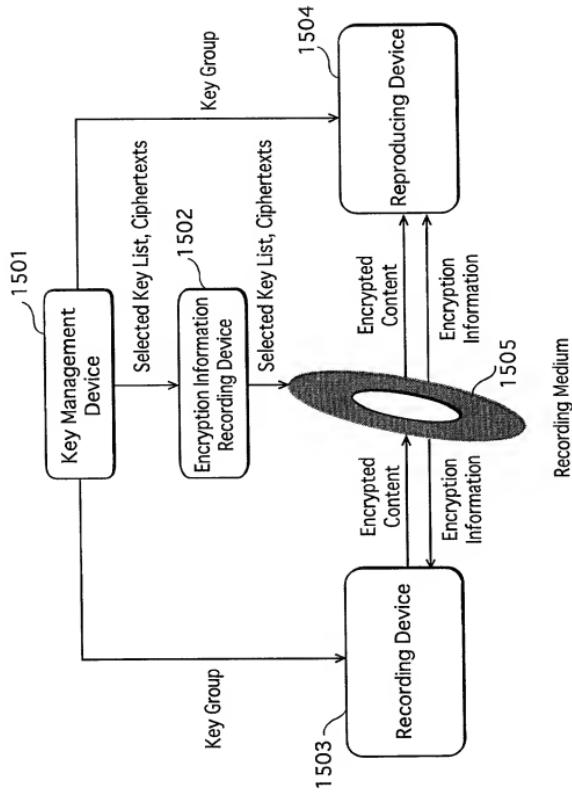


Fig.16

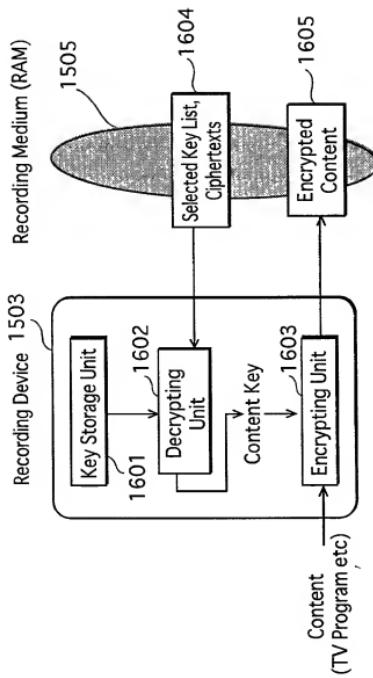


Fig.17

